

ARC-14970-1

Replacement Drawings  
Sheet 1 of 11  
App, SN: 10/789,049  
NASA Docket No.: ARC-14970-1  
Title: Intelligent Weather Agent  
Inventor: Liljana Spirkovska  
NASA POC: Vickie Kent (650) 604-0887

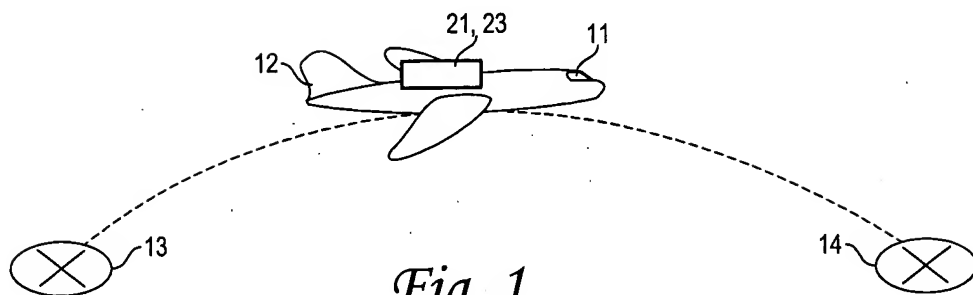


Fig. 1

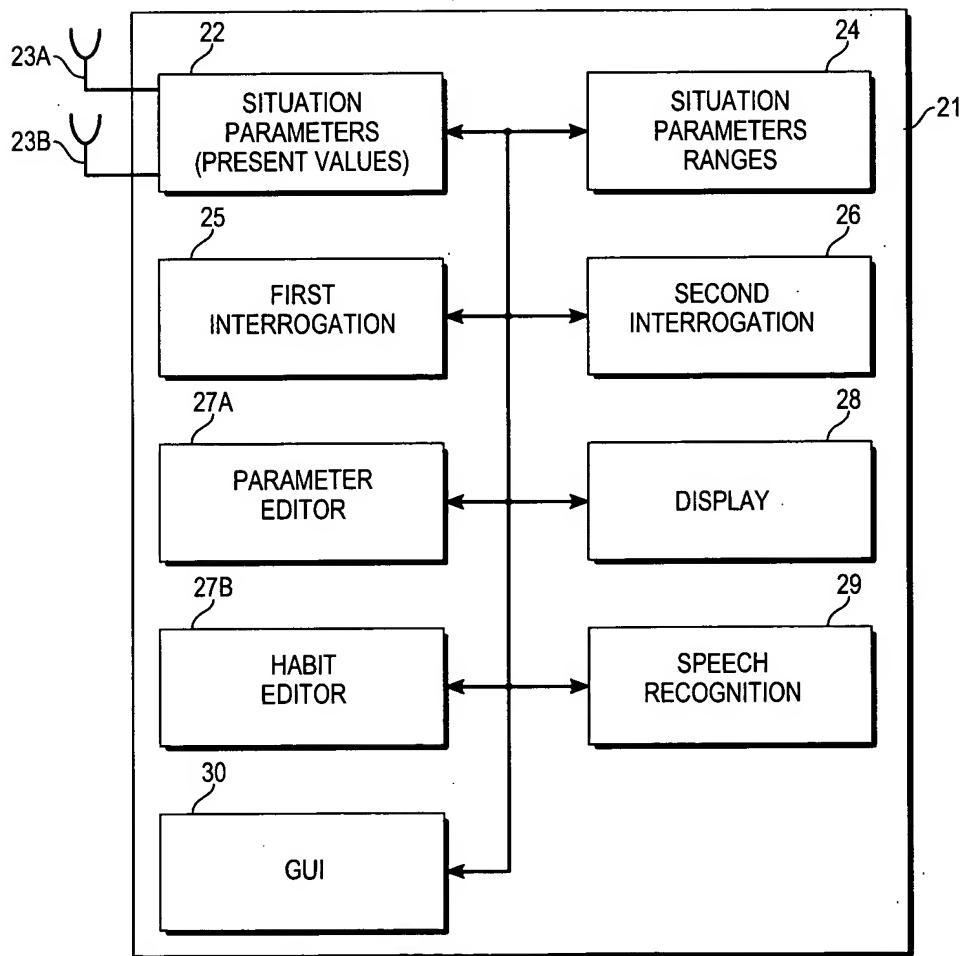


Fig. 2

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Fig. 3

Pilot Preferences

Volunteer or Query for Information About the Destination		Volunteer or Query for En-Route Information	
Updated Destination METAR Visibility		Updated En-Route METARs	
<input type="checkbox"/> VOLUNTEER <input type="checkbox"/> Verbal Message <input type="checkbox"/> Visual Message <input type="checkbox"/> Audio Alarm <input type="checkbox"/> 3 Minimum Visibility Ceiling		<input type="checkbox"/> Volunteer Always <input type="checkbox"/> Verbal Message <input type="checkbox"/> Visual Message <input type="checkbox"/> Audio Alarm <input type="checkbox"/> 5 Minimum Visibility	
Surface Winds		Altimeter Setting	
<input type="checkbox"/> VOLUNTEER <input type="checkbox"/> Verbal Message <input type="checkbox"/> Visual Message <input type="checkbox"/> Audio Alarm <input type="checkbox"/> 25 Maximum Surface Winds <input type="checkbox"/> 12 Close Temp - Dew Pt. <input type="checkbox"/> Query <input type="checkbox"/> Verbal Message <input type="checkbox"/> Visual Message <input type="checkbox"/> Audio Alarm <input type="checkbox"/> 3000 Minimum Ceiling Possible Alternate <input type="checkbox"/> VOLUNTEER <input type="checkbox"/> Verbal Message <input type="checkbox"/> Visual Message <input type="checkbox"/> Audio Alarm Alternate Destination Near Destination		<input type="checkbox"/> Volunteer Always <input type="checkbox"/> Verbal Message <input type="checkbox"/> Visual Message <input type="checkbox"/> Audio Alarm <input type="checkbox"/> 0.05 Difference Required Prior to Notification <input type="checkbox"/> 10 Altimeter Setting (in Hg)	
Updated Destination TAF Surface Winds		Winds Aloft	
<input type="checkbox"/> Volunteer Always <input type="checkbox"/> Verbal Message <input type="checkbox"/> Visual Message <input type="checkbox"/> Audio Alarm <input type="checkbox"/> 5 Minimum Visibility Ceiling <input type="checkbox"/> Volunteer Always <input type="checkbox"/> Verbal Message <input type="checkbox"/> Visual Message <input type="checkbox"/> Audio Alarm <input type="checkbox"/> 5000 Minimum Ceiling Wind <input type="checkbox"/> Volunteer Always <input type="checkbox"/> Verbal Message <input type="checkbox"/> Visual Message <input type="checkbox"/> Audio Alarm <input type="checkbox"/> 20 Maximum Surface winds <input type="checkbox"/> 10 Maximum Crosswind		<input type="checkbox"/> Volunteer Always <input type="checkbox"/> Verbal Message <input type="checkbox"/> Visual Message <input type="checkbox"/> Audio Alarm <input type="checkbox"/> 10 Difference Required Prior to Notification <input type="checkbox"/> 25 More Adverse Winds Aloft (Kts) <input type="checkbox"/> 25 More Favorable Winds Aloft (Kts)	
Density Altitude <input type="checkbox"/> VOLUNTEER <input type="checkbox"/> Verbal Message <input type="checkbox"/> Visual Message <input type="checkbox"/> Audio Alarm Suggest Runway <input type="checkbox"/> VOLUNTEER <input type="checkbox"/> Verbal Message <input type="checkbox"/> Visual Message <input type="checkbox"/> Audio Alarm TAF/METAR correlation <input type="checkbox"/> Volunteer Always <input type="checkbox"/> Verbal Message <input type="checkbox"/> Visual Message <input type="checkbox"/> Audio Alarm		Updated En-Route TAFs <input type="checkbox"/> Volunteer Always <input type="checkbox"/> Verbal Message <input type="checkbox"/> Visual Message <input type="checkbox"/> Audio Alarm <input type="checkbox"/> 4 Minimum Visibility <input type="checkbox"/> 5000 Minimum Ceiling	

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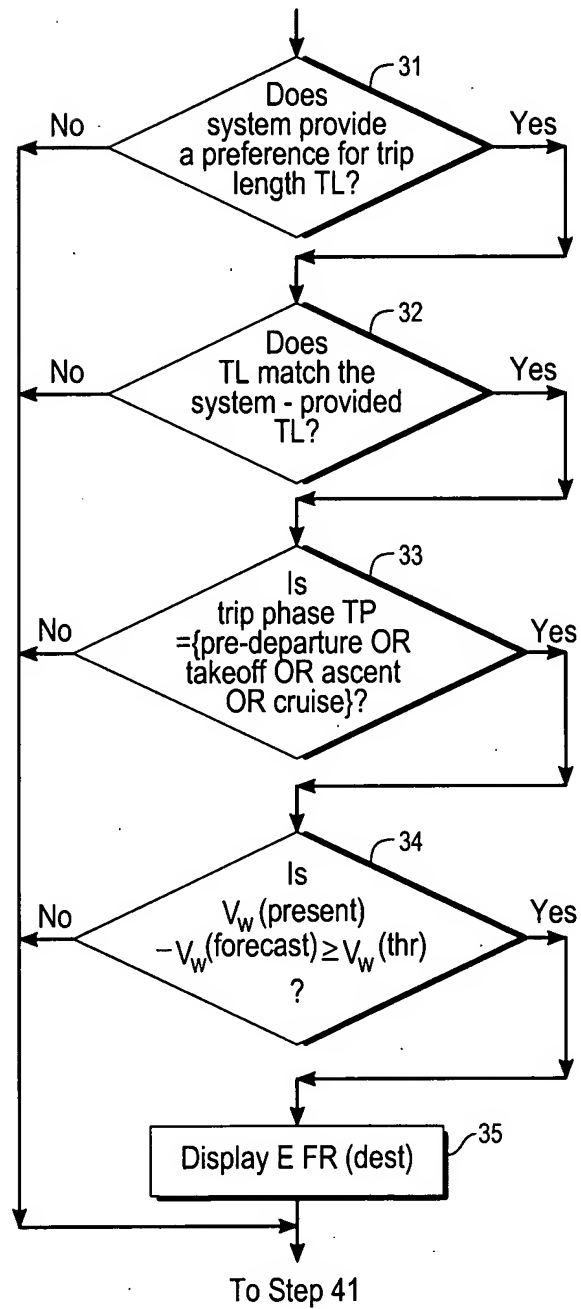


Fig. 4

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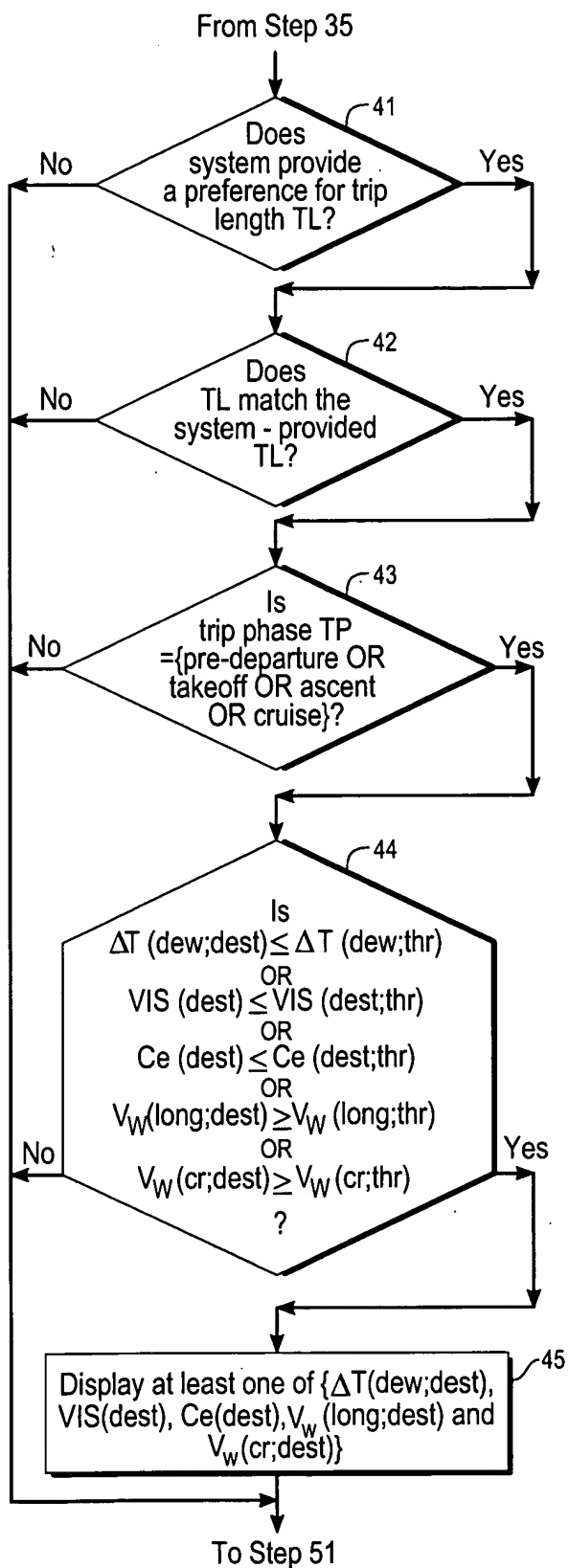


Fig. 5

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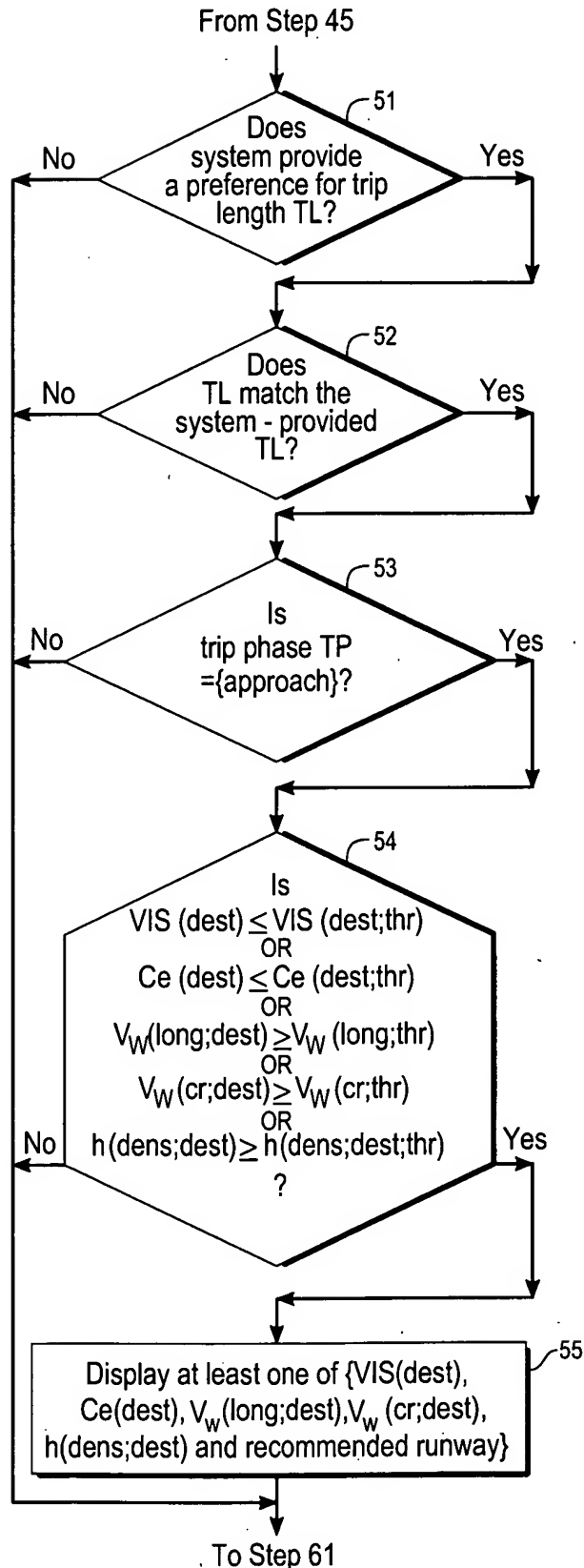


Fig. 6

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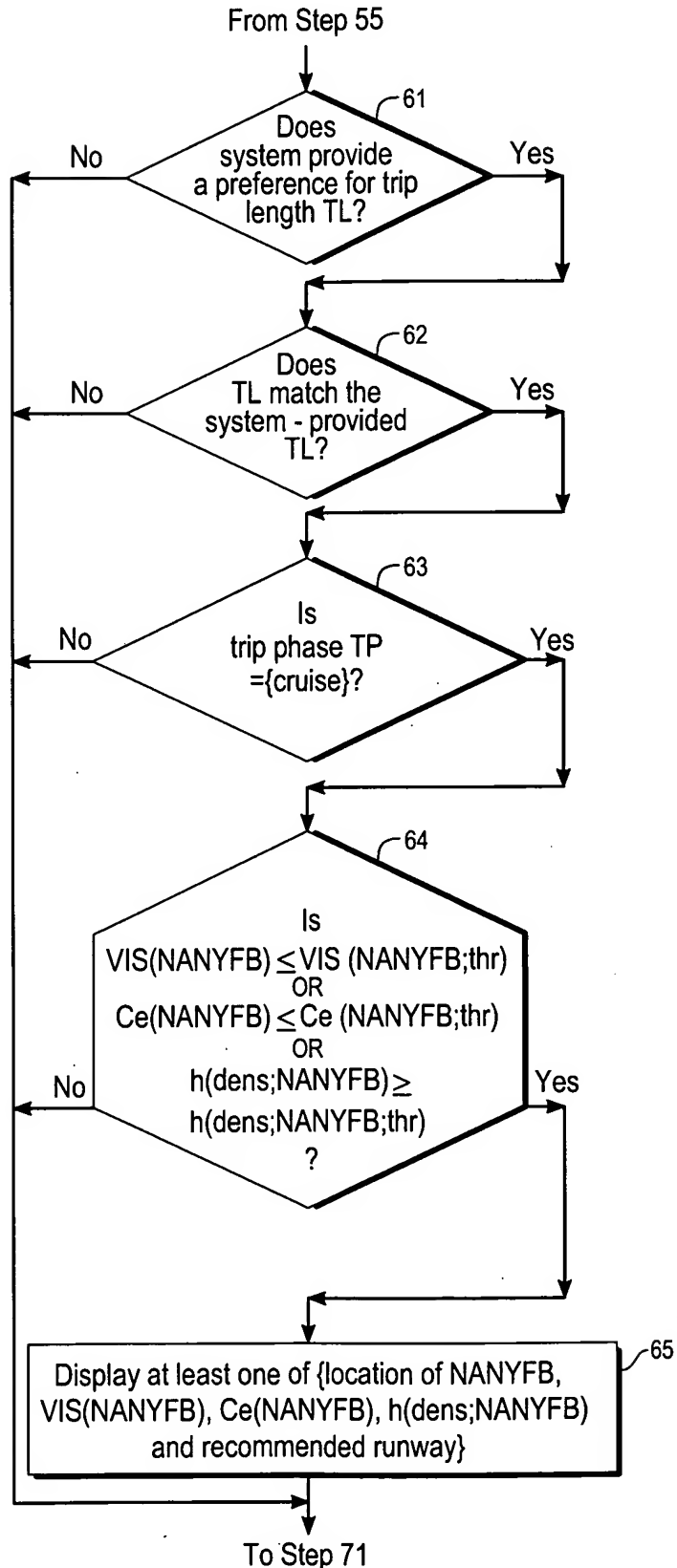


Fig. 7

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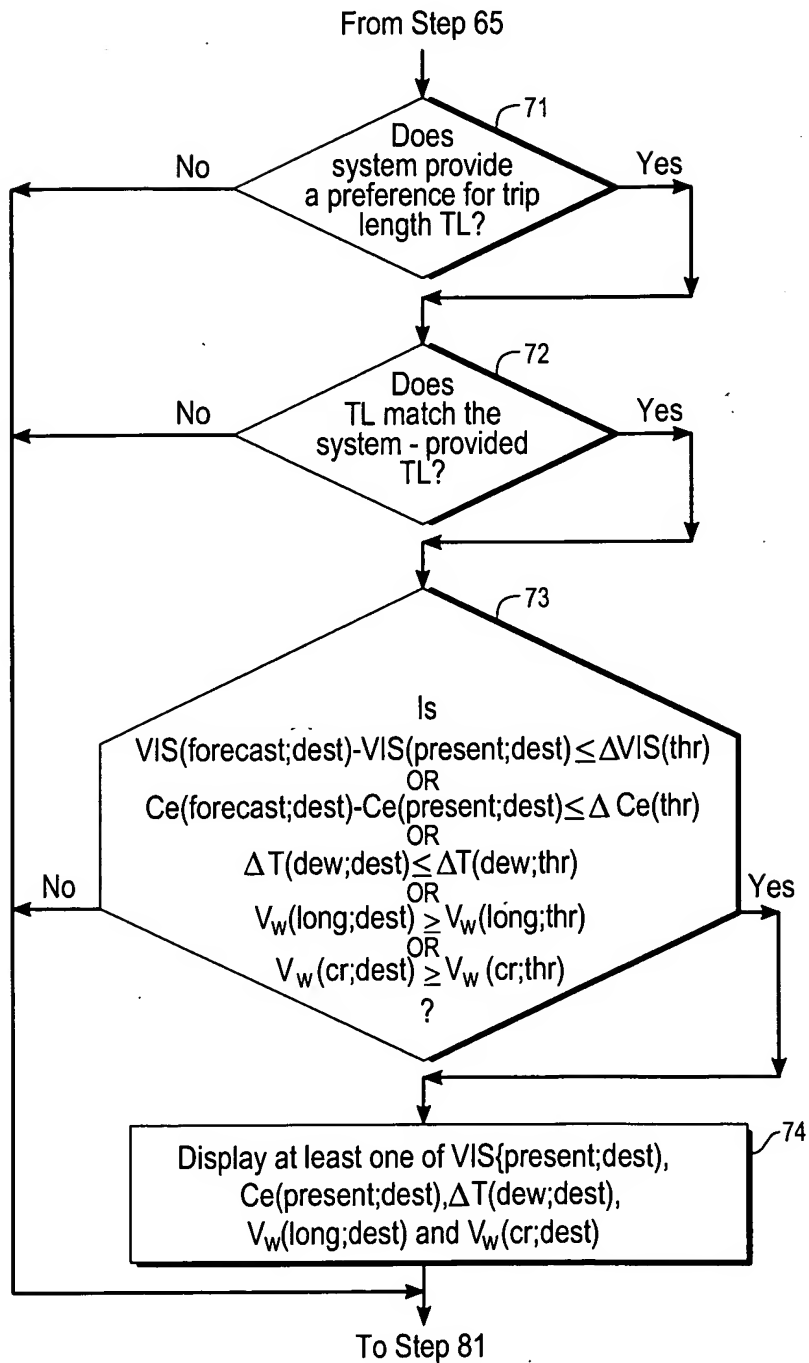


Fig. 8

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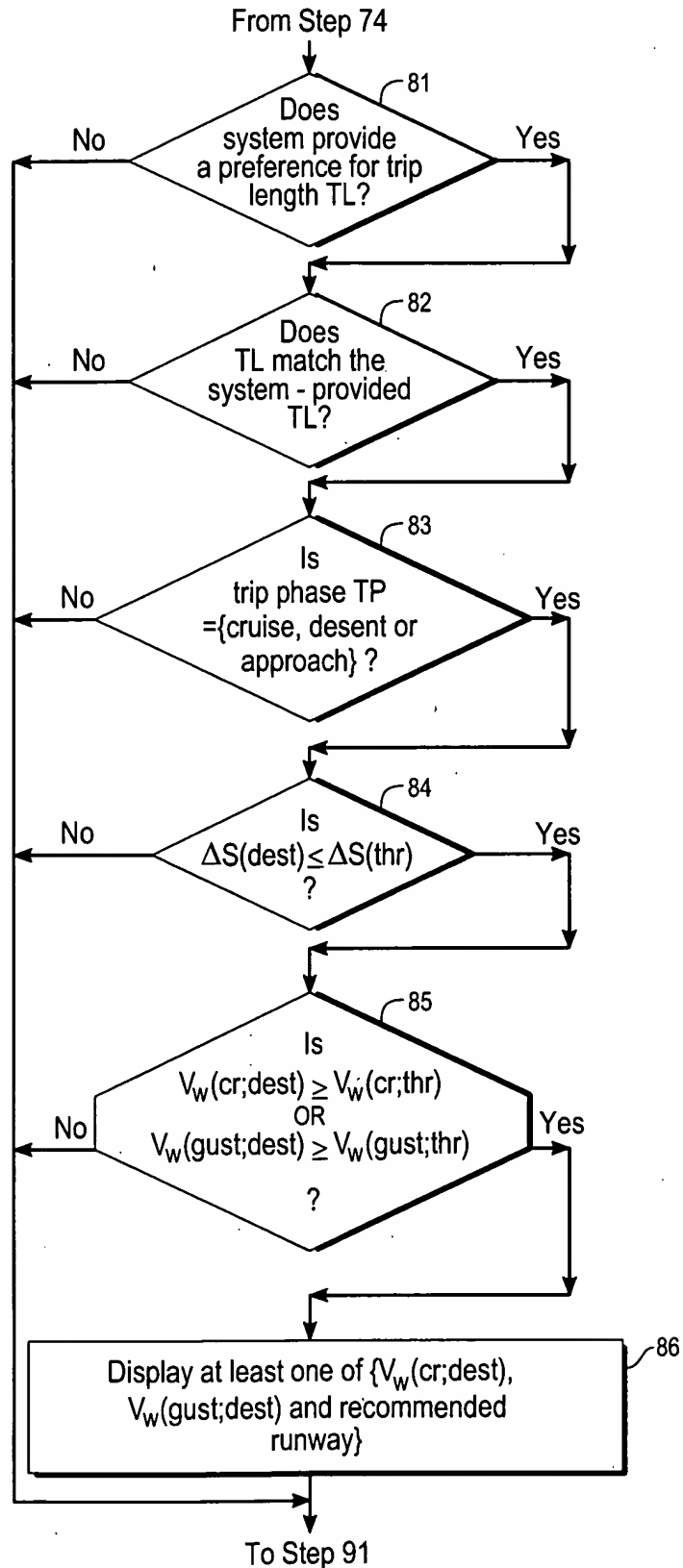
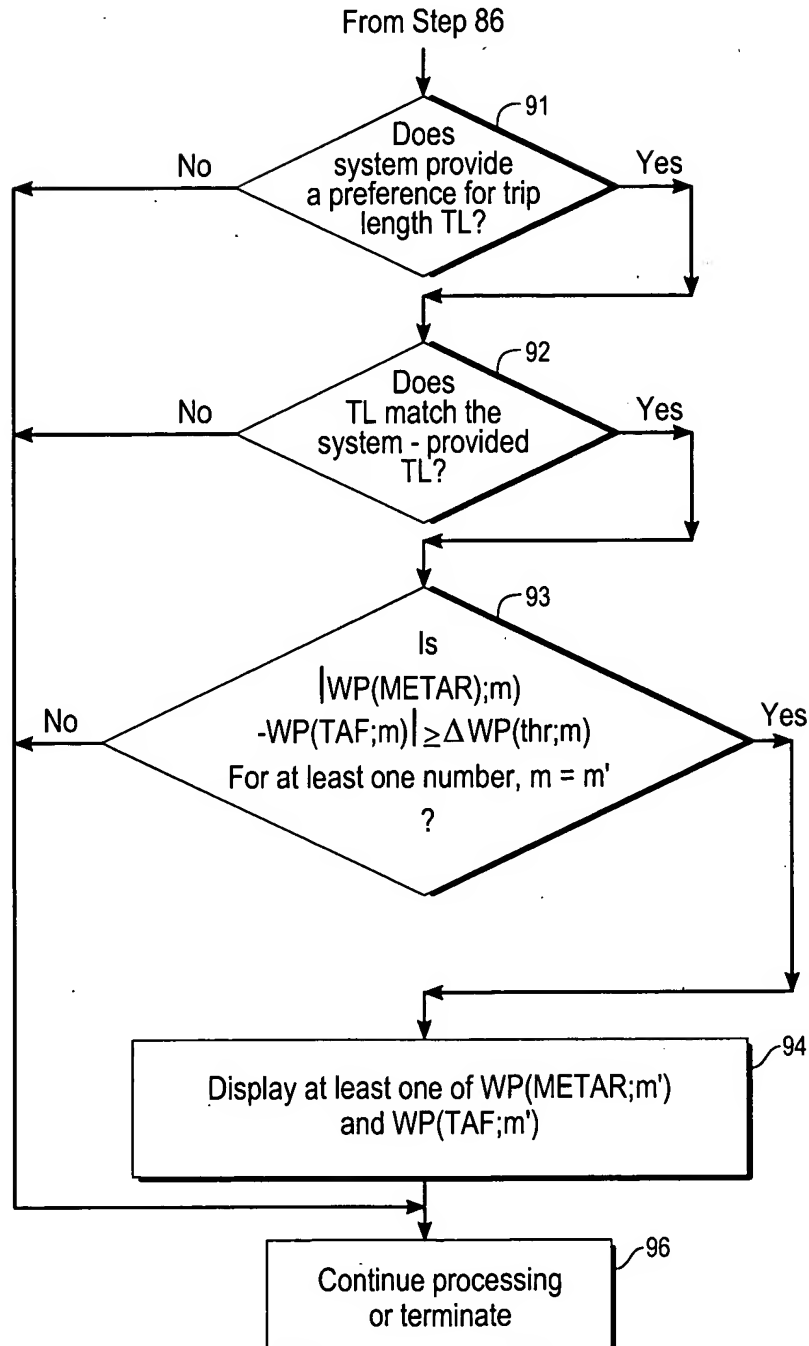


Fig. 9

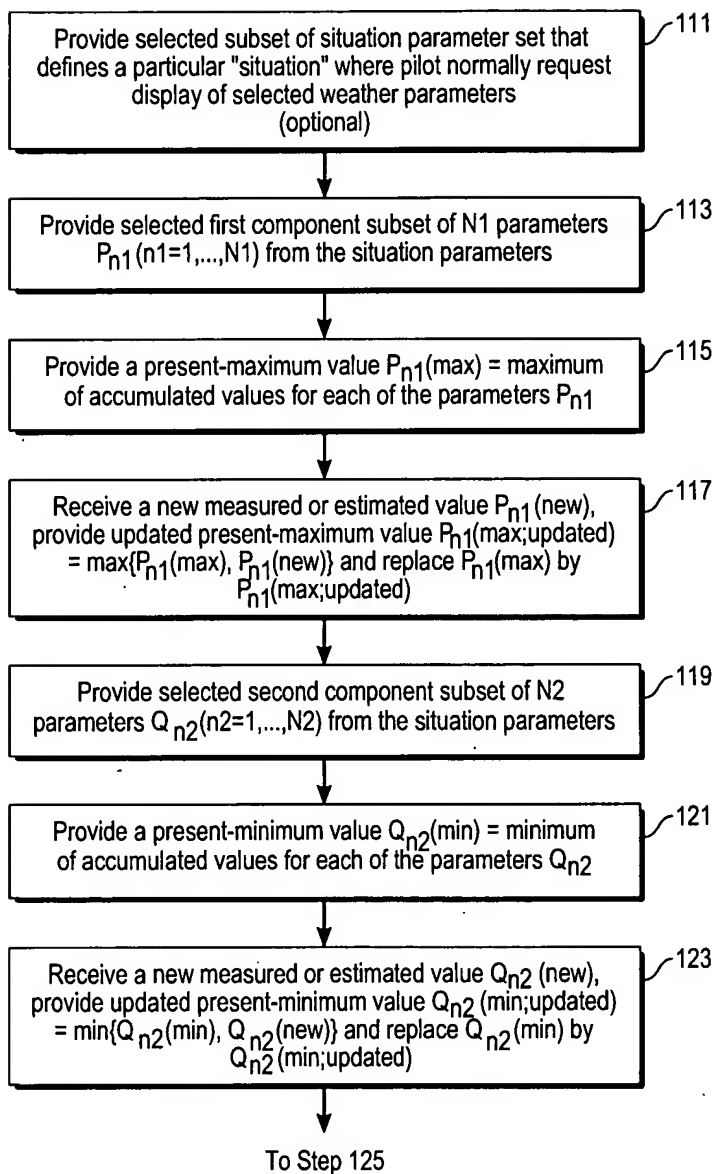


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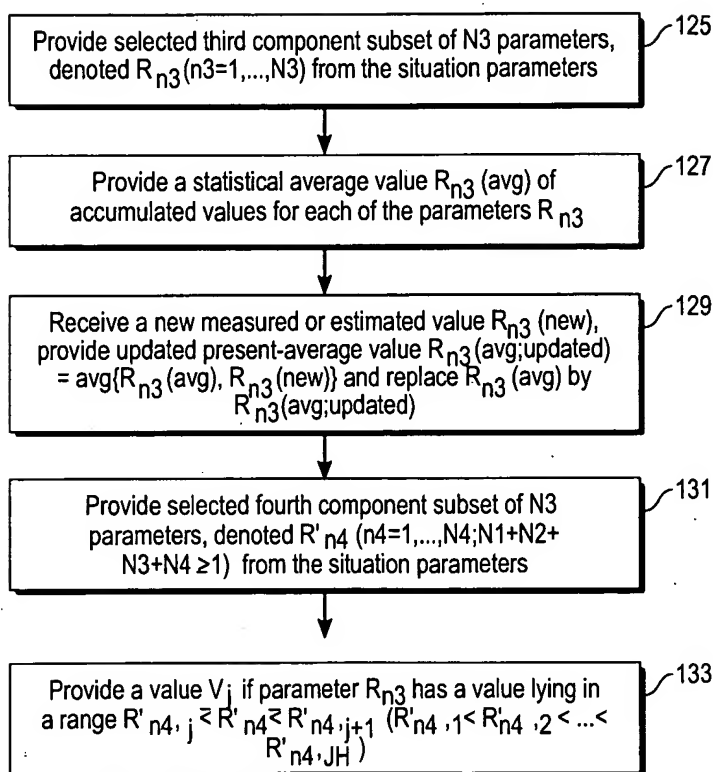
*Fig. 10*

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*Fig. 11A*

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*Fig. 11B*